

FIG. 1
Prior Art

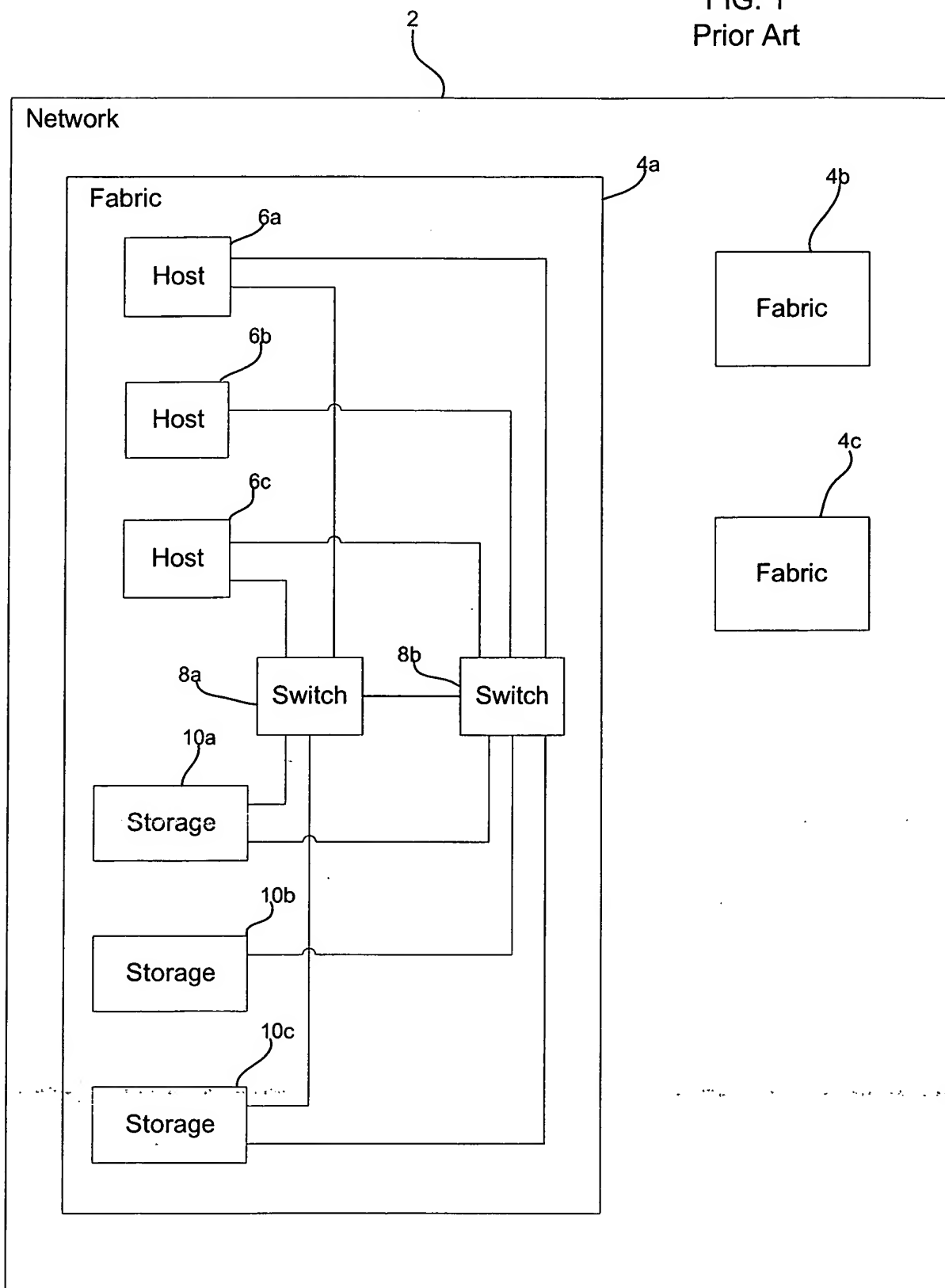


FIG. 2

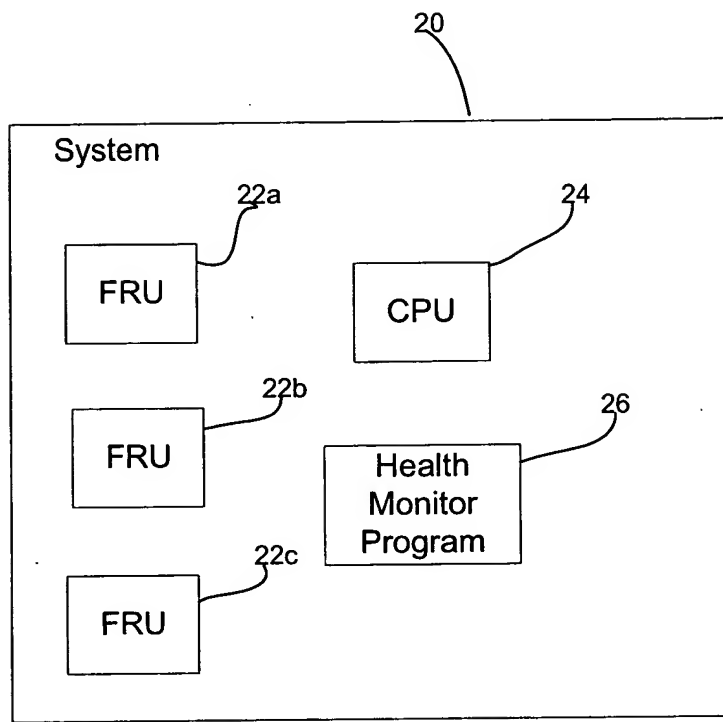


FIG. 3

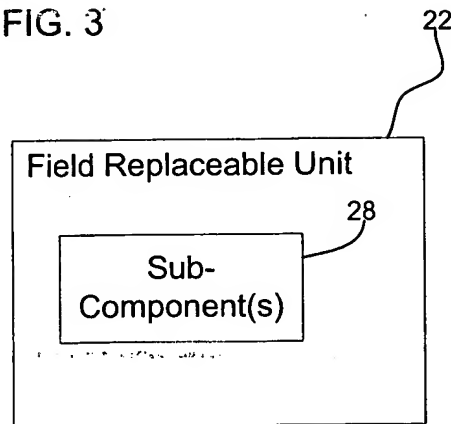


FIG. 4

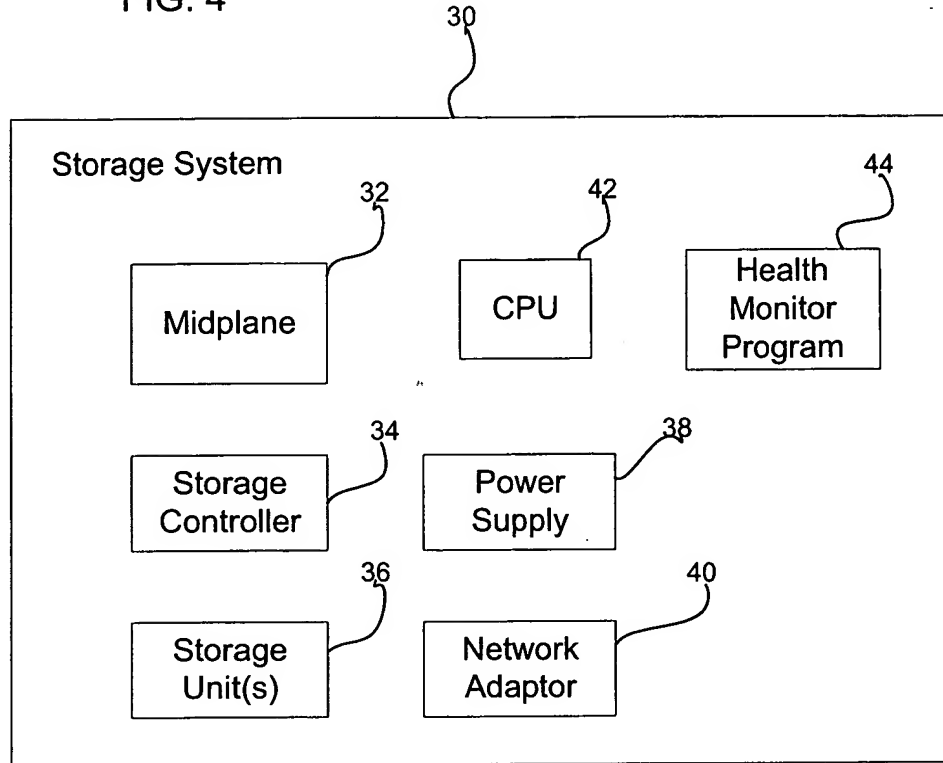
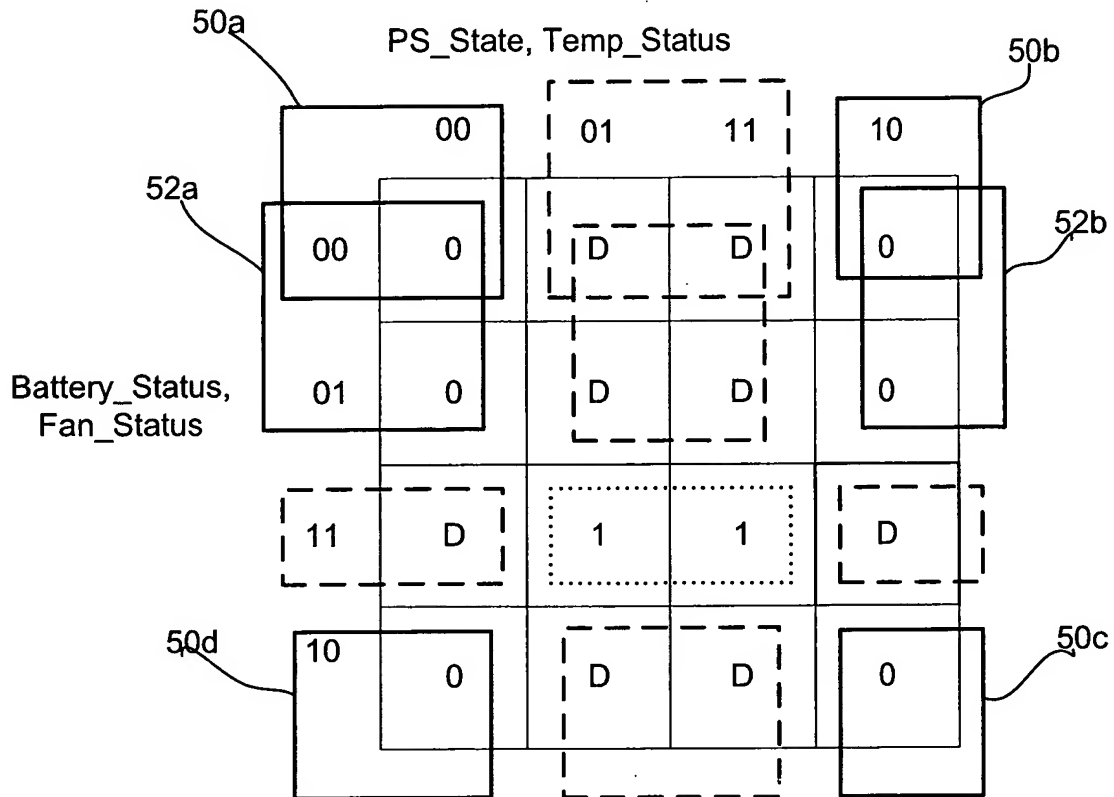


FIG. 5

Truth Table for Power Supply

<i>PS_State</i>	<i>Temp_Status</i>	<i>Battery_Status</i>	<i>Fan_Status</i>	<i>Output State</i>
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	D
0	1	0	0	D
0	1	0	1	D
0	1	1	0	D
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	D
1	1	0	0	D
1	1	0	1	D
1	1	1	0	D
1	1	1	1	1

FIG. 6



Legend

Bad ——— Degraded - - - - - Good ·······

FIG. 7

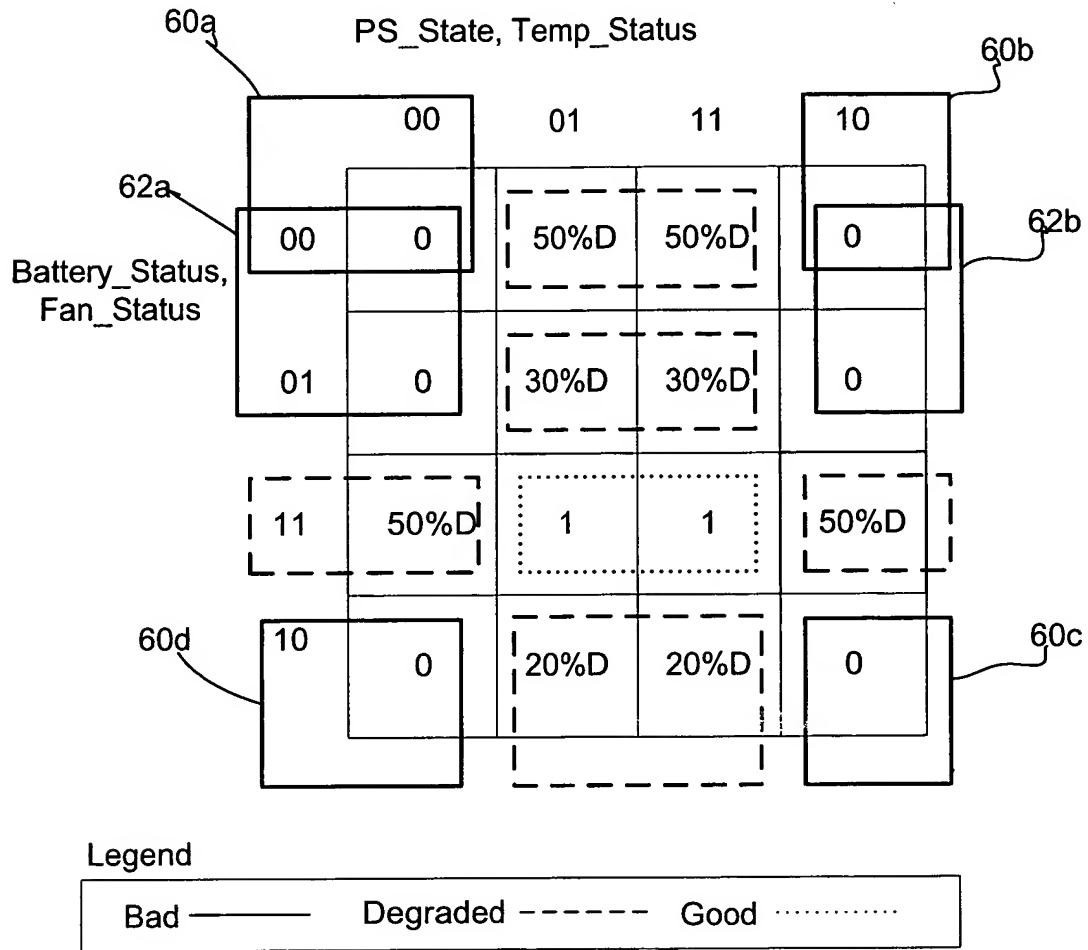
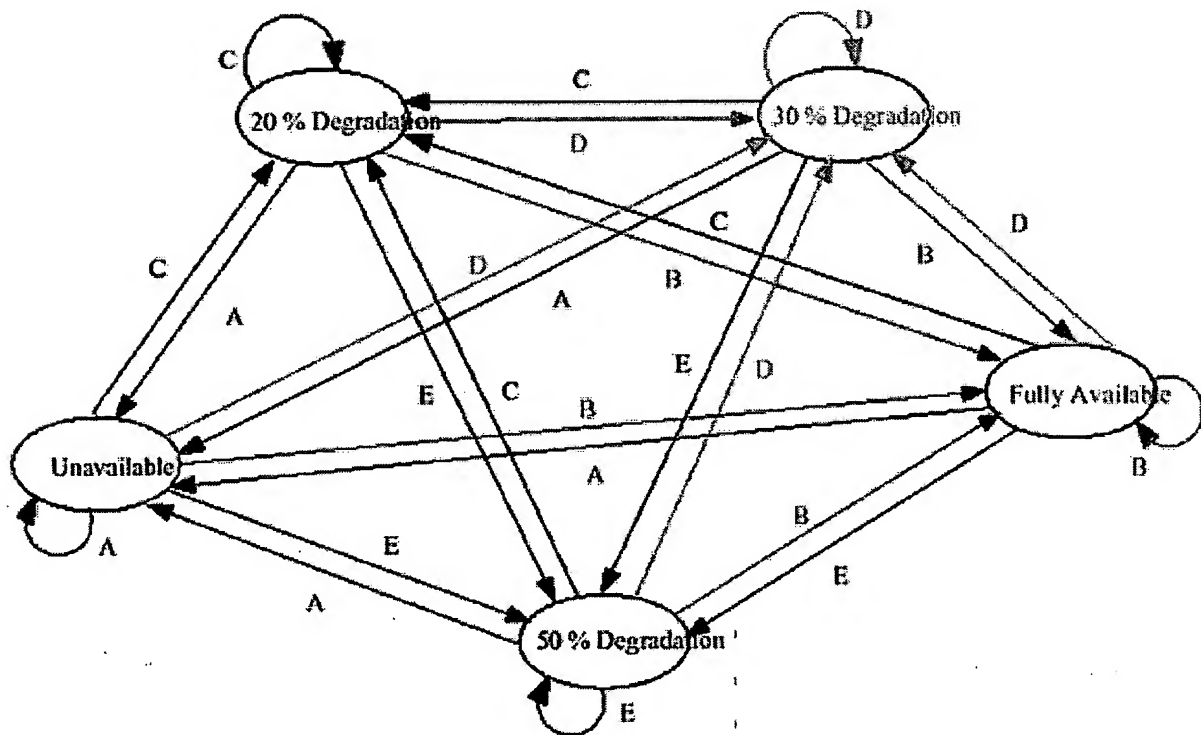


FIG. 8



Equation A (Power Supply is Bad)	$[\text{Temp_Status}] * [\text{Battery_Status} * \text{Fan_Status}]$
Equation B: (Power Supply is Good)	$\text{Temp_Status} * \text{Battery_Status} * \text{Fan_Status}$
Equation C (20% Degradation in Power Supply)	$\text{Temp_Status} * \text{Battery_Status} * [\text{Fan_Status}]$
Equation D (30% Degradation in Power Supply)	$\text{Temp_Status} * [\text{Battery_Status}] * \text{Fan_Status}$
Equation E (50% Degradation in Power Supply)	$[[[\text{Temp_Status}] * \text{Battery_Status} * \text{Fan_Status}] + (\text{Temp_Status} * [\text{Battery_Status}] * [\text{Fan_Status}])]$

FIG. 9

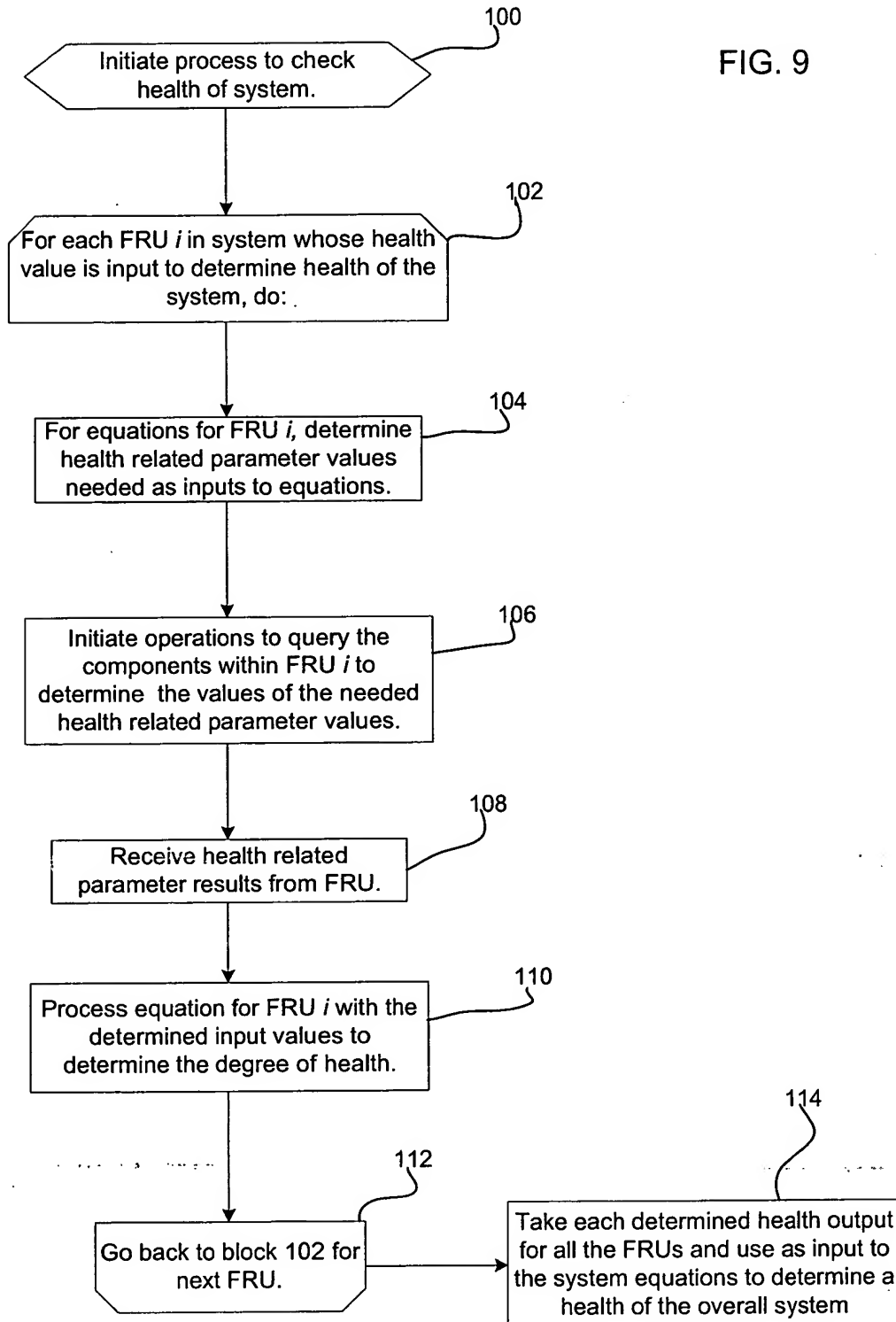


FIG. 10

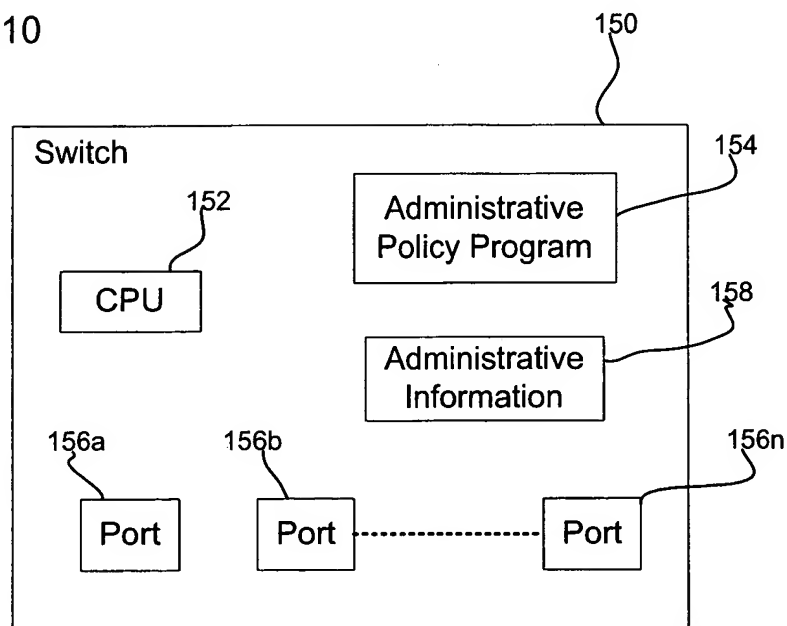


FIG. 11

Administrative Policy Truth Table

<i>Previous Admin State</i>	<i>Previous Oper State</i>	<i>Current Admin State</i>	<i>Current Oper State</i>	<i>Alert Clear</i>	<i>Alert Create</i>	<i>Event</i>
0	0	0	0	0	0	0
0	0	0	1	0	0	1
0	0	1	0	0	0	1
0	0	1	1	1	0	1
0	1	0	0	0	0	1
0	1	0	1	0	0	0
0	1	1	0	0	1	1
0	1	1	1	0	0	1
1	0	0	0	0	0	1
1	0	0	1	0	0	1
1	0	1	0	0	0	0
1	0	1	1	1	0	1
1	1	0	0	0	0	1
1	1	0	1	0	0	1
1	1	1	0	0	1	1
1	1	1	1	0	0	0

FIG. 12

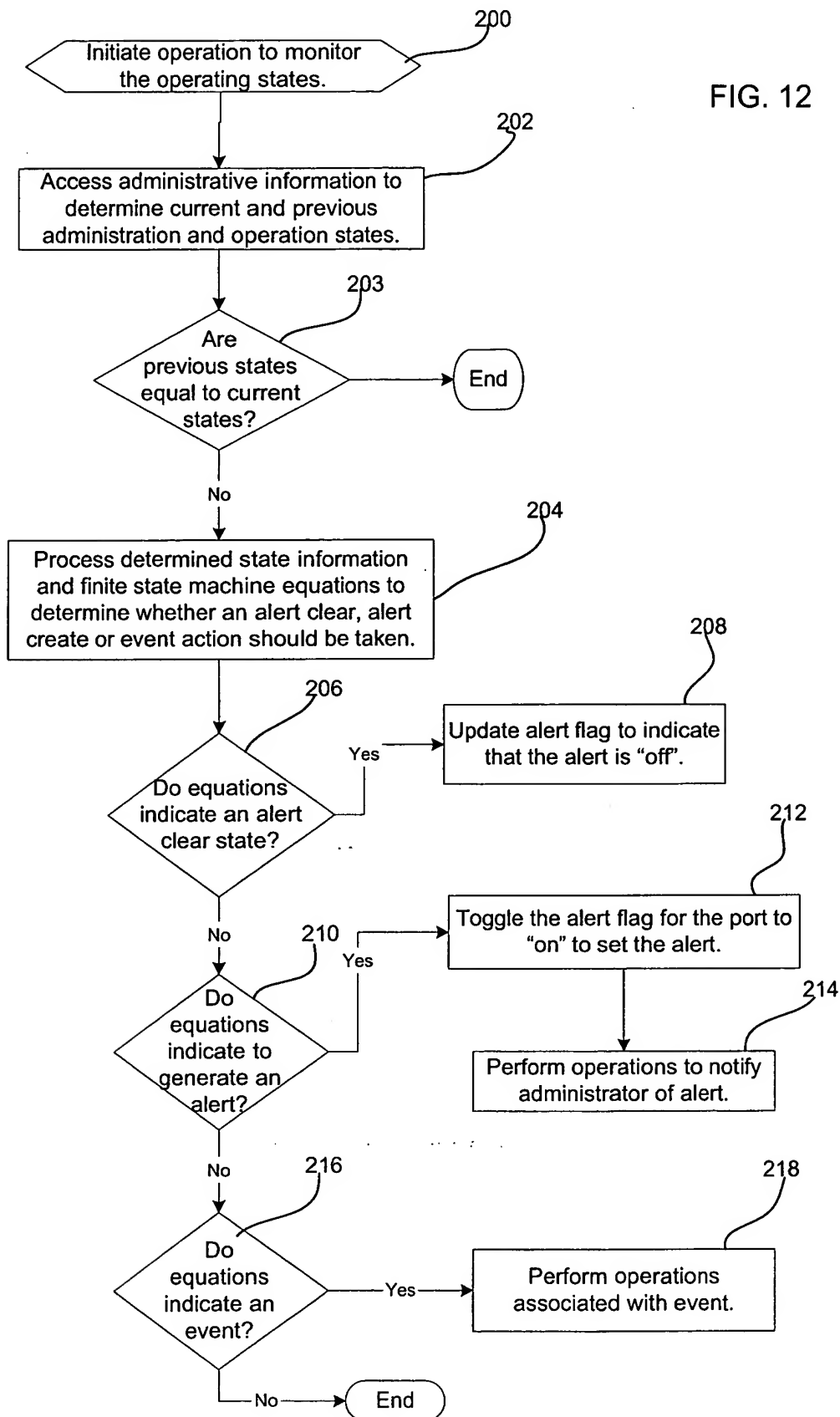


FIG. 13

